

5 Solve it!

Disney
THE
NUTCRACKER
AND THE
FOUR REALMS

Video quiz

1 Watch again. Read and circle.

- 1 What does Clara love?
 a science b music
- 2 What does Clara's machine catch?
 a a fish b a mouse
- 3 What shape is Clara's box?
 a a bird b an egg
- 4 What letter is on the box?
 a C b D
- 5 What machine did Drosselmeyer invent?
 a a lake b a forest



2 Think and write. Then share ideas.

Solving difficult problems



- 1 What's the problem with Drosselmeyer's machine?



- 2 How does Clara solve Drosselmeyer's problem?



3  **Read, choose and write. Then listen and check.**

engine invention lock machine workshop

1 Clara's invention can catch a mouse.



2 But can she open the _____ on her box?



3 Clara visits Drosselmeyer in his _____.

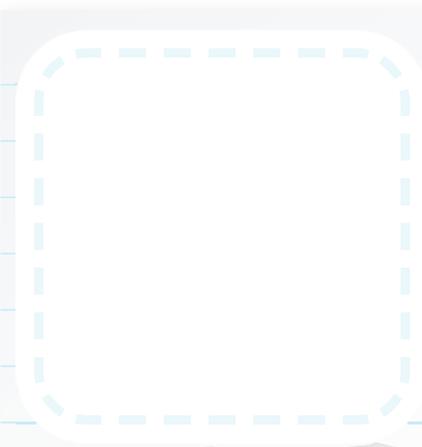


4 His lake _____ isn't working. Clara fixes it!



5 But can Clara fix the _____ in the Four Realms?

4  **Imagine some inventions in a workshop! Draw, write and say.**



My workshop



In my workshop, there's a _____

 **Extra time!**

What's the best invention in your house? Why?

I can name machines and inventions.

1 Follow the maze and write.



- 1 lo_o_k f_o_r cl_u_es
- 2 br__in__t__rm
- 3 c__lle__t inf__rm__tion
- 4 t__ke n__tes
- 5 f__nd a s__luti__n
- 6 d__ an __xper__me__t
- 7 cr__ck a c__de
- 8 s__lv__ a p__zle

2 Read, choose and write.

cracked experiment information notes puzzle solution

- 1 I found the solution . I solved the _____ .
- 2 I wrote down ideas. I took _____ .
- 3 I tested my idea. I did an _____ .
- 4 I found out more about the problem. I collected _____ .
- 5 I have the answer. I _____ the code!

Find out!

How many pieces does the biggest jigsaw puzzle in the world have?

3 Read, imagine and solve the problem. Compare with a friend.

My problem: My computer isn't working.

What can I do? _____

first, I can brainstorm.

Then, _____

finally, _____

I can brainstorm. I can ask why isn't it working?

Extra time?

What's the mystery word?

t o k n o e o b

1 Read and circle.

- 1 Clara **has** / **have** to solve the puzzle to open the box.
- 2 She has to **look** / **looking** for clues on the box.
- 3 Drosselmeyer **don't** / **doesn't** have to help Clara, but he wants to!
- 4 They **has** / **have** to work together to find a solution.



Grammar Heroes

Read and write.

- 1 Clara thought, 'I **collect** → have to collect information.'
- 2 Clara **crack** → _____ the code.
- 3 Clara and Drosselmeyer **not / do** → _____ an experiment.
- 4 Drosselmeyer **not / take** → _____ notes.



2 How can you solve the puzzle? Look, choose and write. Then compare ideas.

clues experiment notes places



To find the treasure ...

- 1 we have to brainstorm places.
- 2 we don't have to
- 3 _____
- 4 _____

We have to brainstorm places!

Extra time!

What do you have to do tomorrow?

I can

talk about what I have to do.



The bird puzzle



1 Read the story again. Read and write T (True) or F (False).

- 1 Levan's maths teacher is called Mrs Gears. F
- 2 Mrs Gears has a beautiful bird.
- 3 The first puzzle opens the door.
- 4 The second puzzle makes the bird move.
- 5 Levan solves all the puzzles.



2 Read and write.



What three things did Levan do before he started to solve the puzzles?

First, I _____.

Then, I _____.

Next, I _____.

Storytellers club

3 Think about the story. Write.

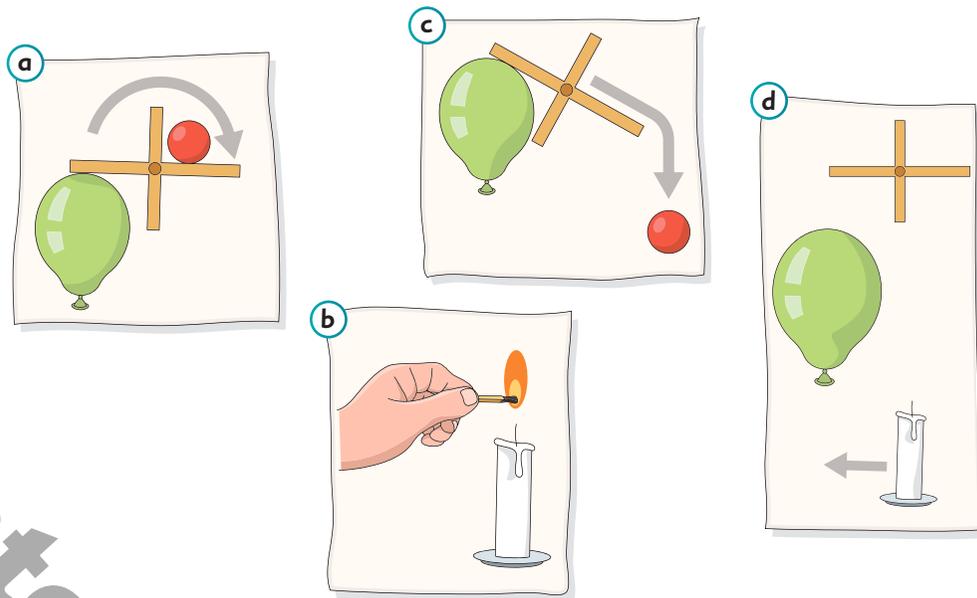
My favourite puzzle is _____
because _____.

Extra time?

Imagine you're Levan.
How do you feel after you
solve all the puzzles?



1 Look and circle. Then listen and number.

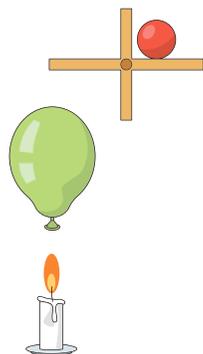


- a put / **turn**
- b light / drop
- c light / drop
- d put / turn

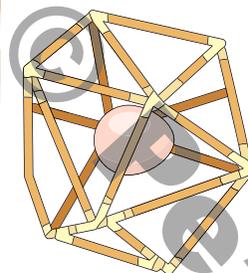
2 Look and write. Then ask and answer.

drop light put **turn**

CAN YOU SOLVE THE PUZZLES?



- 1 Don't turn the wheel!
- 2 light the candle and it will turn the wheel!



- 3 First, put the egg in the invention!
- 4 Don't drop the egg!

Do we have to turn the wheel?

No, we don't.

3 Read and write.

- 1 Does she have to turn the key? No, she doesn't.
- 2 Does he have to light the fire? Yes, he does.
- 3 Do we have to drop the ball? No, we don't.
- 4 Do they have to put the batteries in? Yes, they do.

Extra time?

Ask questions about what you have to do for homework this week.

I can ask questions with *have to*.



Solving difficult problems

1 Read and number.



HOW CAN WE SOLVE DIFFICULT PROBLEMS?



Find and choose the best solution.



Think about the problem.



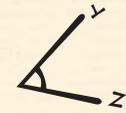
Brainstorm to think of lots of ideas.



Follow the plan.



Look back to see if your solution worked.



2 Use the steps from 1 to solve this problem.

I made some special ink. You can't see it! I mixed baking soda and water. Then I wrote my note and gave it to my friend. It was still wet! My friend painted the note with grape juice, but she can't read my message. Why doesn't it work?



MAKE INVISIBLE INK!

You will need:

- baking soda
- water
- paper
- a paintbrush
- grape juice

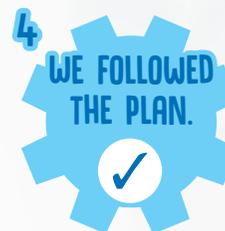
Clue: Read step 3 of the instructions again.

- 1 Mix baking soda and water in a cup.
- 2 Write your note on the paper with the paintbrush.
- 3 Leave to dry and give the note to your friend.
- 4 Your friend can read the message by painting the paper with grape juice!

My portfolio

3 Look at 2 and write.

WE SOLVED A DIFFICULT PROBLEM



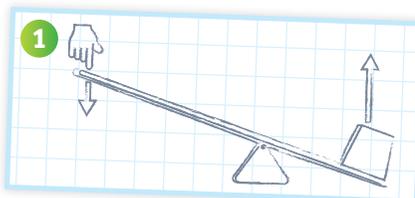




1 Look, choose and write.

gears lever pulley teeth

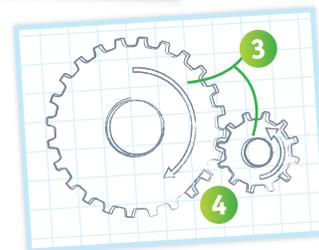
1 This lever helps us to lift heavy things.



2 This _____ is a simple machine with wheels.

3 The large and small _____ turn together.

4 The _____ on the gears fit together to turn the wheels.



MINI-PROJECT

2 Write notes for your lever.

What objects can we use to make a lever? _____

How can we make the lever?

What objects can we try to lift with the lever?



3 Make your lever and write.

We used a ruler, a pencil and a rubber to make our lever.

We used _____ to make our lever. We did experiments with our lever.

We tried to lift _____.

We found that _____.

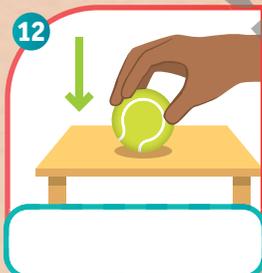
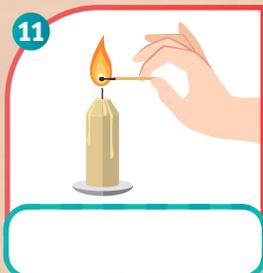
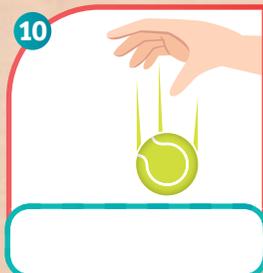
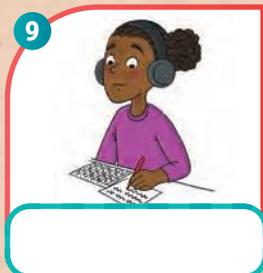
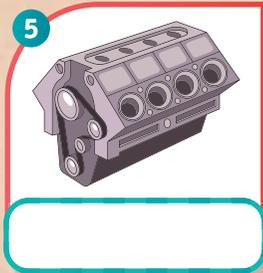
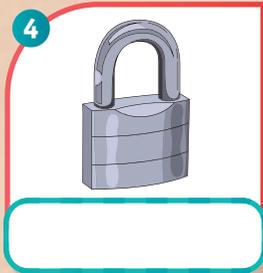
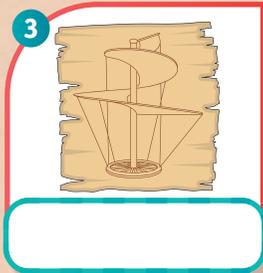
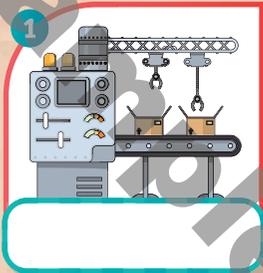
Clara uses a type of pulley to jump down from a tall building in *The Nutcracker and the Four Realms*. Find out: What else do we use pulleys for?



My progress journal



1 Listen and write. Check your spelling. Then answer with a friend.



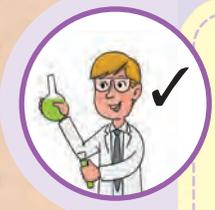
Which words describe actions?



2 Look and complete.



Grammar Heroes



1	Do I <u>have to</u>	take notes?	Yes, I <u>do</u> .
2	Does he _____	do an experiment?	Yes, he _____.
3	Do we _____	brainstorm?	No, we _____.
4	Do they _____	look for clues?	No, they _____.



Challenge!

Say five things you have to do. You have one minute. Go!

I have to answer the question!

3 Read, choose and write.

Do you want to know how I solve difficult problems?

brainstorm clues information notes solution



I like solving difficult problems. First, I look for **1** clues (things I can see).
 Then, I collect **2** _____ (find out more) about the problem.
 Next, I **3** _____ (think of different ideas) and take **4** _____
 (write ideas).
 Finally, I find a **5** _____ (an answer) to the problem!

4 Look and write.

1 They have to solve the puzzle.

2 He _____ the code.

3 _____ Lana _____

the candle? Yes, she _____

4 _____ Pedro and Li _____

the wheel? No, they _____



5  **Choose a difficult problem. Write what you have to do and tell a friend.**

I have to look for clues.



Star learner

- This unit is ☆☆☆☆☆
- My favourite lesson is _____
because _____
- I can now _____